

Title (en)  
JOINT FOR PIPES INTENDED IN PARTICULAR FOR THE PETROLEUM INDUSTRY

Publication  
**EP 0044778 B1 19850206 (FR)**

Application  
**EP 81401132 A 19810716**

Priority  
FR 8015829 A 19800717

Abstract (en)  
[origin: ES268532U] Joint for pipes of the type in which an end of a male member (1) provided with a thread is screwed into a female member (2) having a corresponding thread. On its outer surface, the male member has a circumferential groove (9) and on the inner surface the female member has a circumferential groove (10) which, in the screwed position, faces the groove of the male member. A spring ring (12) is provided to simultaneously engage in the said grooves. At least one of the grooves has an adequate radial depth to permit the retraction of the spring ring when the male member is engaged in the female member.

IPC 1-7  
**E21B 17/043**; **F16L 15/00**

IPC 8 full level  
**E21B 17/043** (2006.01); **E21B 17/046** (2006.01); **F16L 15/00** (2006.01)

CPC (source: EP US)  
**E21B 17/043** (2013.01 - EP US); **F16L 15/003** (2013.01 - EP US); **F16L 15/004** (2013.01 - EP US); **F16L 15/007** (2013.01 - EP US); **F16L 15/008** (2013.01 - EP US); **F16L 15/009** (2013.01 - EP US)

Cited by  
US5527330A; GB2258709A; FR2791755A1; US7722089B2; WO9726437A1; EP0173691B1

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**EP 0044778 A2 19820127**; **EP 0044778 A3 19820224**; **EP 0044778 B1 19850206**; AR 228366 A1 19830228; AT E11688 T1 19850215; AU 547194 B2 19851010; AU 7304181 A 19820121; BR 8104571 A 19820406; CA 1164499 A 19840327; DE 3128008 A1 19820311; DE 3128008 C2 19860528; DE 3168768 D1 19850321; DE 44778 T1 19830120; DK 317881 A 19820118; EG 15014 A 19850331; ES 268532 U 19830701; ES 268532 Y 19840116; FR 2487037 A1 19820122; FR 2487037 B1 19860221; GB 2080468 A 19820203; GB 2080468 B 19840502; IT 1138089 B 19860910; IT 8122977 A0 19810716; JP S57120792 A 19820727; JP S5944551 B2 19841030; MX 151796 A 19850318; NO 812454 L 19820118; OA 06859 A 19830228; US 4426105 A 19840117

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**EP 81401132 A 19810716**; AR 28611081 A 19810716; AT 81401132 T 19810716; AU 7304181 A 19810716; BR 8104571 A 19810716; CA 381905 A 19810716; DE 3128008 A 19810715; DE 3168768 T 19810716; DE 81401132 T 19810716; DK 317881 A 19810716; EG 40481 A 19810715; ES 268532 U 19810716; FR 8015829 A 19800717; GB 8121975 A 19810716; IT 2297781 A 19810716; JP 11207181 A 19810716; MX 18834281 A 19810716; NO 812454 A 19810716; OA 57450 A 19810717; US 28372281 A 19810715